MMMMMM M	MMM MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	000000000 000000000 0000000000 000 000 000 000
----------	--	--	--	--	--

_\$2

NN	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	00 00 00 00	
	\$		

MA

Page

MAC\$INPUT Table of contents	GET NEXT CHARACTER	N 15	16-SEP-1984	02:20:18	VAX/VMS	Macro	v04-00
(2) 73 (3) 102 (4) 222 (5) 324 (6) 359 (7) 391 (7) 403 (8) 447	DECLARATIONS MAC\$GETCHR GET NEXT CHARACTER FROM INPUT MAC\$GETLIN GET NEXT INPUT SOURCE LINE OPEN NEXT INPUT SOURCE FILE STAT4 SWITCH INPUT TO MACRO TE MEXIT MACRO EXIT ROUTINE MAC\$POP INPUT POP INPUT CONTEXT UP A L STATEMENTS END-OF-LINE CLEANUP	XT					

 Page 1 (1)

.TITLE MACSINPUT GET NEXT CHARACTER .IDENT 'V04-000'

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: FACILITY: VAX MACRO ASSEMBLER OBJECT LIBRARY

ABSTRACT:

The VAX-11 MACRO assembler translates MACRO-32 source code into object modules for input to the VAX-11 LINKER.

ENVIRONMENT: USER MODE

AUTHOR: Benn Schreiber, CREATION DATE: 21-AUG-78

MODIFIED BY:

V03.01 MTR0011 Mike Rhodes 18-Mar-1982
Add logic to routine MAC\$GETLIN to trap non-RMS\$ EOF errors and non-SUM\$_xxx errors. This occurs when an illegal record is encountered by RMS and it does not count as a SUM error, which leaves us in an infinite loop trying to read the next line. fixes QAR #691.

V03.00 MTR0006 Mike Rhodes 15-Mar-1982 Modify MAC\$GETCHR to allow ALL characters to be passed when the FLG\$V_DLIMSTR flag is set. The characters allowed to be passed include the semicolon (which was already passed) and the hyphen, which at times was incorrectly treated as a line continuation character. Fixes SPR #11-42904.

V01.10 RN0023

R. Newland

3-Nov-1979

MACSINPUT V04-000	GET NEXT CHARACTER	C 16 16-SEP-1984 02:20:18 VAX/VMS Macro V04-00 Page 2 5-SEP-1984 01:48:32 [MACRO.SRCJINPUT.MAR;1 (1)
	0000 58 : 0000 59 : 0000 60 :	New message codes to get error messages from system message file.
	0000 61 0000 62	V01.09 RN0010 R. Newland 5-Sep-1979 Mulitpage MXB blocks
	0000 63 : 0000 64 : 0000 65 :	V01.08 RN0005 R. Newland 27-Aug-1979 Remove .ALIGN LONG statements
	0000 58 0000 60 0000 61 0000 62 0000 63 0000 65 0000 65 0000 67 0000 68 0000 69 0000 70 0000 71	V01.07 RN0002 R. Newland 01-feb-1979 Changes for Source Update Merge, Get input lines from SUM\$LINE.

16-SEP-1984 02:20:18 VAX/VMS Macro V04-00 5-SEP-1984 01:48:32 [MACRO.SRC]INPUT.MAR;1

Page 3 (2)

```
| OCCUPATION | OCC
```

(

MACSGETCHR::

DD 9E 91 12 9A

DO

58

50

0000°CF

20 CF

OD

5A 0000

151 152 153 154 155 156 157 PUSHL 10\$: MOVAB WAMACSGL_LINEPT, R8 CMPB R10,#CR BNEQ #BLNK,R10 W-MAC\$GL_INPUTP,R0 25\$: MOVZBL MOVL #FLGSM_CONT, (R11) BISL2

POINT TO MACSGL LINEPT : IF NEQ NO :YES--PREVENT LOOPING ON CR ; ADDRESS INPUT BLOCK : ALLOW CONTINUATION LINES

SAVE R8

Page

(3)

MOVZBL

BSBW

BISL2

POPL

POPL

BRB

#CR_R10

100\$

(R8)

R10

NOT REALLY A CONTINUED LINE

MACSGETCHR

(SP)+,(R11)

:TREAT AS EOL IF NULL

:FIND NON-NULL LINE

:RESTORE ALLCHR FLAG

:RESTORE CHARACTER

: RESTORE MACSGL LINEPT

:READ NEXT LINE

110\$:

120\$:

130\$:

208

210 211

9A 30

8EDO 8EDO

E9

8E 68 5A

6B

00A3

00A6

00A9

00AB

00AB

00AB

00AB

00AE 00B1 MACSINPUT VO4-000

G 16 GET NEXT CHARACTER MACSGETCHR GET NEXT CHARACTER FROM INPUT 5-SEP-1984 02:20:18 VAX/VMS Macro V04-00 MACSGETCHR GET NEXT CHARACTER FROM INPUT 5-SEP-1984 01:48:32 [MACRO.SRC]INPUT.MAR; 1

Page

216 140\$: 217 150\$: 218 219 220 08 8ED0 05 00B4 00B7 00BA 00BB 00BB 6B

#FLG\$M_CONT,(R11)
R8

;ALLOW CONTINUATIONS AGAIN ;RESTORE R8 ;RETURN WITH CHARACTER IN R10

.DSABL LSB

BISL2 POPL RSB

```
.SBTTL MACSGETLIN GET NEXT INPUT SOURCE LINE
                                                                                       00BB
                                                                      OOBB
                                                                                                ;++
                                                                      00BB
                                                                                                                     THIS ROUTINE IS CALLED TO GET THE NEXT LINE OF THE CURRENT
                                                                      00BB
                                                                                                                     INPUT FILE AND PLACE IT IN MACSAB_LINEBF.
                                                                      00BB
                                                                      00BB
                                                                      00BB
                                                                                                                     .ENABL LSB
                                                                      DOBB
                                                                      00BB
                                                                                                 MACSGETLIN::
                                                                      00BB
                                  0000°CF
                      50
                                                                                                                                        W^MACSINPUT_RAB.RO
                                                                                                                     MOVAB
                                                                                                                                                                                                    POINT TO THE RAB
                                                                     00C0
00C4
                                   0000°CF
                                                                                                                                        W^MACSGT_SCB
                                                                                                                    PUSHAL
                                                                                                                                                                                                        Control block address
                                                                                                                                        #1,G^SUM$LINE
R0,40$
            00000000°GF
                                                           FB8 13 FB 1 CB 1 1 E 3 1 1 E 3 1 1 E 3 1 1 E 3 1 1 E 3 1 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E 3 1 E
                                                                                                                     CALLS
                                                                                                                                                                                                        Get next input line
                                                                     00CB
00CE
00D5
00D7
00DC
00E1
                                                                                                                                                                                                       If LBS then good read Was error end-of-file?
Yes if EQL, try next file
                                        6D
                                                                                                                     BLBS
            00000000°8F
                                                                                                                                        RO, #RMS$_EOF
                                                                                                                     CMPL
                                                                                                                    BEQL
                                                                                                                                        #STS$V_FAC_NO.#STS$S_FAC_NO.RO.R1 ; Get facility no R1.#<SUM$_NORMALa-16> ; SUM error?
                      50 OC
0084 8F
          51
                                                10
                                                                                                                     EXTZV
                                               51
                                                                                                                     CMPW
                                                                                                                                                                                                        Yes if EQL
                                                                                                                    BEQL
51
            50
                        FFFFFFF8
                                               8F
                                                                                                                    BICL3
                                                                                                                                        #^CSTS$M_SEVERITY,RO,R1
                                                                                                                                                                                                        Copy and check the severity
                                                                                                                                                                                                       WARNING, try again
ERROR or FATAL, try next file
Return line if Pass 2
                                                                                                                                        MACSGETLIN
                                                                     00EB
                                                                                                                    BEQL
                                                                     OOED
                                                                                                                    BRB
                                                                                                                                        #FLG$V_P2,(R11),5$
SUM_ERROR
                           05 6B
                                                                     OOEF
                                                                                                2$:
                                                                                                                    BBS
                                          00AF
                                                                     00F3
                                                                                                                    BSBW
                                                                                                                                                                                                        Generate intermediate code if Pass 1
                                                                     00F6
                                               C3
                                                                                                                    BRB
                                                                                                                                        MACSGETLIN
                                                                     00F8
                                                                                                5$:
                                                           D7
                                                                     00F8
                                                                                                                                        W^MAC$GL_LINENUM
                                  0000°CF
                                                                                                                    DECL
                                                                                                                                                                                                   ; Don't increment line number
                                               3D
                                                                     OOFC
                                                                                                                    BRB
                                                                     OOFE
                                                                                                8$:
                                          00F5
                                                           30
98
98
98
98
95
15
96
11
                                                                     OOFE
                                                                                                                    BSBW
                                                                                                                                                                                                   :ELSE TRY TO OPEN NEXT FILE
                                                                                                                                        MAC$NXTINPFIL
                                                                                                                                        #1, WAMACSGL SRCPAG
RO, MACSGETL IN
                      0000°CF
                                               0.
                                                                     0101
                                                                                                                    MOVZBL
                                                                                                                                                                                                   RESET PAGE COUNT TO ONE
                                                                                                                                       RO, MACSGETLIN ; IF THERE IS ANOTHER FILE GO READ IT #A/.END/, WAMACSAB_LINEBF; OOPS--NO FILE--FAKE A '.END' #4, WAMACSINPUT RAB+RABSW_RSZ; WITH A SIZE OF 4 BYTES
                        82 50
444E452E 8F
                                                                     0106
                                                                                                                    BLBS
                                                                     0109
0112
0117
0000°CF
                                                                                                10$:
                                                                                                                     MOVL
                      0022°CF
                                                                                                                     MOVZBW
                                  0000
                                                                                                                                                                                                   IN UNFINISHED CONDITIONAL?
                                                                                                                                        WAMACSGL_IF_LEVEL
                                                                                                                    TSTL
                                                                     011B
                                                                                                                    BLEQ
                                                                                                                                                                                                   : IF LEQ NO
                                                                                                                                        #^A/C/, W^MAC$AB_LINEBF+4; YES--MAKE .END INTO .ENDC
W^MAC$INPUT_RAB+RAB$W_RSZ ; COUNT THE CHARACTER
                                                                     011D
               0004 CF
                                                                                                                     MOVB
                                  0022
                                                                                                                     INCW
                                                                                                                    BRB
                                                                                                                                                                                                   : CONTINUE
                                                                                                                   BBS #FLGSV_P2,(R11),40$
$INTOUT_X INTS_FNEWL
$INTOUT_LW INTS_WRN,-
<#MACS_MISSINGEND,#0>
                                               0E
                                                           E0
                           0E 6B
                                                                                                30$:
                                                                                                                                                                                                   ONLY MESSAGE ON PASS 1
                                                                                                :***
                                                                                                                                                                                                   PRINT CONTENTS OF PREVIOUS LINE
                                                                                                                                                                                                   :TELL OF MISSING END STATEMENT
                                                                                                                    MOVZWL WAMACSINPUT_RAB+RABSW_RSZ,- ; SAVE LENGTH OF LINE
                                   0022'CF
                                                                                                405:
                                                           3C
                                                                                                                                       RO.W^MAC$GL_LINELN
W^MAC$AB_LINEBF,RO
RO.W^MAC$GL_LINEPT
RO.W^MAC$GL_ERRPTX
                      0000°CF
                                                           GET ADDRESS OF LINE BUFFER
                                  0000°CF
                       50
                                                                                                50$:
                                                                                                                     MOVAB
                                               50
50
60
04
                      0000°CF
                                                                                                                     MOVL
                                                                     014F
0154
0157
0159
                      0000°CF
                                                                                                                                                                                                   RESET ERROR POINTER TO LINE START
                                                                                                                     MOVL
                                   00
                                                                                                                                         (RO) ,#FF
                                                                                                                     CMPB
                                                                                                                                                                                                   :NEW SOURCE PAGE?
                                                                                                                     BNEQ
                                                                                                                                                                                                   ; IF NEQ NO
                                                                                                                                       W^MAC$GL_SRCPAG
W^MAC$GL_LINELN,RO
#CR,(RO)
W^MAC$GL_LINENUM
#FLG$V_PZ,(R11),80$
W^MAC$GL_SRC_LCNT
                                                                                                                     INCL
                                                                                                                                                                                                   :YES--COUNT NEW PAGE
                                  0000
                                                                     015D
                                                                                                60$:
                                                                                                                     ADDL2
                                                                                                                                                                                                    FIGURE ADDRESS OF LAST CHARACTER
                      50
                                                                     0162
0165
0169
                                                                                                                                                                                                   STORE CR FOR END OF LINE
                                   60
                                               OD
                                                                                                                     MOVB
                                  0000'CF
                                                                                                                     INCL
                                                                                                                                                                                                   BRANCH IF THIS IS PASS 2
                                                                                                                     BBS
                                   0000°CF
                                                           06
                                                                      0160
                                                                                                                     INCL
                                                                                                                                                                                                   :NO--COUNT LINE READ IN PASS 1
```

-

0000°CF 13 6B . 27 0000°CF 50	0171 04 0171 E0 0173 C3 0177	279 80\$: 280 281 282 283 284 285 286 287 90\$:	CLRL BBS SUBL3	R1 #FLG\$V_UPDFIL,(R11),90\$ W^MAC\$GL_LINBAS, -	; Initialise insert number ; Branch if file is being updated ; Compute line number ; Branch if not sequenced file ; Get sequenced line number
50 17 6B 19 19 10 10	017E E1 017F D0 0183 11 0188 018A	284 285 286 287 90\$:	BBC MOVL BRB	#FLG\$V_SEGFIL,(R11),1009 W^MAC\$GL_RECHOBUF,R0 100\$; Branch if not sequenced file ; Get sequenced line number
50 0018'CF 001C'CF 02 05	3C 018A E1 018F 0194	288 289 290 291	MOVZWL BBC	#SUM_V_SRCUPD, - W^MAC\$GT_SCB+SUM_B_FLAGS	NO,RO; Get original line number; Branch if line from source file ,100\$
51 001A'CF	3C 0195	292 100\$:	MOVZWL	W-MACSGT_SCB+SUM_W_INSER	RT_NO,R1 ; Get insert number
0000°CF 50 0000°CF 51	B0 019A B0 019F 05 01A4 01A5	292 100\$: 293 294 295 296	MOVW MOVW RSB	RO, W^MAC\$GW_LST_LINE R1, W^MAC\$GW_LST_INST	; Save listing line number ; and insert number
	01A5 01A5 01A5	297 298 299 :	.DSABL	LSB	
0000°CF 04 00 6B 29	01A5 01A5 12 01A9 E2 01AB 01AF	300 SUM_ERRO 301 302 303 304 5\$:	TSTL BNEQ BBSS	W^MAC\$GL_LINENUM 5\$ #FLG\$V_FIRSTLN,(R11),5\$; Error on very first line? ; No if NEQ
00848800 8F 50 22 0000001C'EF 03 2F 50	D1 01AF 12 01B6 E0 01B8 01BF	305 306 307	CMPL BNEQ BBS	RO, #SUM\$_EDITSCLSH 4\$ #SUM_V_SUBCLSH, - MAC\$GT_SCB+SUM_B_FLAGS, 1	; Edits clash error? ; No if NEQ ; Branch if not first clash 0s
50	DD 01C0	308 309 310	LO2HF	KU	
50 03	01C2 BEDO 01C8	311	DUDI	X INTS_FNEWL	; Force new line
50 03	C8 01CB 01CE	312 313	BISL2	#STS\$K_INFO.RO	; Make and information code
15	11 01D8	314	BRB	#STS\$K_INFO.RO LW_INTS_INFO, <ro,#0></ro,#0>	; Information message
50	DD 01DA	315 4 \$: 316 317	PUSHL	RO ·	
50 8	01DC	317 318	POPL POPL	X INTS_FNEWL	; Force new line
,,,,	01E2 01E5 01EF	319		LW INTS_WRN, <ro,#0></ro,#0>	; Warning message
	01EF 05 01F5	318 319 320 10\$: 321 322	SINTOUT_	X INT\$_SUME	; Source update merge error

(5)

MACSINPUT

V04-000

#CR,R10

CLRL

MOVL

BBCS

RSB

MOVZBL

0000°CF

0000°CF

6B

5A

10

OD

0000°CF

00

D03 95

0037

003E

386 387

20\$:

W^MAC\$GL_KEYMAC ;CLEAR POINTER TO KEYWORD ARGS
W^MAC\$GL_BLKPTR, W^MAC\$GL_INPUTP ;POINT TO NEW INPUT BLOCK
#FLG\$V_MACTXT, (R11), 20\$;FLAG READING MACRO TEXT

: FORCE READING OF NEW LINE

10 (6)

R6, R0

#CR,R10

POINT RO FOR NEXT DEALLOCATION

: IF NEQ GO DO IT

FORCE NEW LINE

: RESTORE R6

MOVL

BNEQ

POPL

RSB

MOVZBL

56 F5 OD 56

50

5A

12 9A

ED0

00A7

OOAA

11 (7)

MACSINPUT

V04-000

MACSINPUT Symbol table	GET NEXT CHARACTER	B 1 16-SEP-1984 02:20:18 VAX/VMS Macro V04-00 5-SEP-1984 01:48:32 [MACRO.SRC]INPUT.MAR;1	Page	13 (8)
SS.TMP1 SS.TMP2 SCOUNT ARGSK_SIZE AUDSK_SIZE BIT. BLNK. CHRSM_COMMA CR CHRSM_SYM_CHR CHRSM_SYM_CHR CHRSM_SYM_CHR CHRSM_SYM_CHR CHRSW_COMMA CR CHRSW_COMMA CR CHRSV_COVILWC CHRSV_ILL CHR CHRSV_NUCOT CHRSV_SYM_CHR CHRSW_SYM_CHR CHRSW_SYM_CHR CHRSW_SYM_CHR CHRSW_SYM_CHR CHRSM_SYM_CHR C	= 00000001 = 0000003B = 00000010 = 00000005 = 00000020 = 00000001 = 00000001 = 00000001 = 00000002 = 00000005 = 00000006 = 00000006 = 000000000 = 0000000000	FLGSM NOREF		

MAC\$INPUT Symbol table	GET NEXT CHARACTER	C 1 16-SE 5-SE	P-1984 02:20:18 VAX/VMS Macro V04-00 P-1984 01:48:32 [MACRO.SRC]INPUT.MAR	;1 Page 14 (8)
FLGSV_OPRND FLGSV_OPTVFLIDX FLGSV_ORDLST FLGSV_P2 FLGSV_SEQFIL FLGSV_SEQFIL FLGSV_SEQFIL FLGSV_SPECOP FLGSV_SPECOP FLGSV_SPECOP FLGSV_SYM2COL FLGSV_SYM2COL FLGSV_UPAFLG FLGSV_UPAFLG FLGSV_UPAFRG FLGSV_UPAFRG FLGSV_UPAFRG FLGSV_UPAFRG FLGSV_TOCFLG FLGSV_UPAFRG FLGSV_TOCFLG FLGSV	= 000000000000000000000000000000000000	INTS-PRECT INTS-REDEF INTS-REST INTS-REST INTS-SAME INTS-SAVE INTS-SAVE INTS-SAVE INTS-SETLONG INTS-SETLONG INTS-SETLONG INTS-STIL INTS-STIL INTS-STIL INTS-STIL INTS-STIL INTS-STIL INTS-STKEPT INTS-	= 0000001B = 0000001C = 0000001F = 00000020 = 00000020 = 00000021 = 00000023 = 00000024 = 00000025 = 00000028 = 00000028 = 0000002A = 0000002B = 0000002B = 0000002C = 0000002C = 00000031 = 00000031 = 00000035 = 00000035 = 00000036 = 00000036 = 00000038 = 00000038 = 00000038 = 00000038 = 000000086 = 00000086 = 000000086 = 000000086 = 000000086 = 000000000000000000000000000000000000	

MAC\$INPUT Symbol table	GET NEXT CHARACTER	D 1 16-SEP-1984 02:20:18 VAX/VMS Macro V04-00 5-SEP-1984 01:48:32 [MACRO.SRC]INPUT.MAR;1	Page	15 (8)
	******* X 03 ******* X 03 ******* X 04 ****** X 03 ******* X 03 ******** X 03	PSC\$K_BLKSIZ PSC\$K_NO_OPTNS	Page	(8)
MNB\$L_ARGP MNB\$L_CRSYMF MNB\$L_LINK MNB\$L_PAGC MNB\$L_PAGP MNB\$L_TXTP MNB\$W_FLAG MTEXT MTXT3 MTXT4 MXB\$K_BLKSIZ MXB\$L_LINK MXB\$L_PAGES OBJ\$K_BUFSIZ OPF\$M_LASTOPR OPF\$W_OPTEXP OPF\$V_LASTOPR OPF\$V_OPTEXP PSC\$B_NAME PSC\$B_SEG PSC\$B_UNUSED	00000017 00000016 00000018 00000005 00000005 00000008 0000000AB RG 04 000000AB RG 04 000000AB RG 04 00000008 000000000 = 00002000 = 00002000 = 000000000 = 00000000000000000000	PSC\$M_WRT		

MAC\$INPUT Symbol table	GET NEXT CHARACTER	E 1 16-SEP-1984 02:20:18 VAX/VMS Macro V04-00 5-SEP-1984 01:48:32 [MACRO.SRC]INPUT.MAR;1	Page 16 (8)
REGS_PC RMSS_EOF SEMI SIZ STBSK_PG_MISS STSSK_INFO STSSM_SEVERITY STSSS_FAC_NO STSSV_FAC_NO SUMSC_COSE SUMSLINE SUMS_EDITSCLSH SUMS_EDITSCLSH SUMS_EDITSCLSH SUM_K_BLN SUM_L_STS SUM_K_BLN SUM_L_STS SUM_M_AUDITNEW SUM_M_AUDITNEW SUM_M_AUDITNEW SUM_M_SUBCLSH SUM_M_SUBCLSH SUM_W_SUBCLSH SUM_V_AUDITNEW SUM_V_AUDITNEW SUM_V_AUDITNEW SUM_V_AUDITNEW SUM_V_AUDITNEW SUM_V_SUBCLSH SUM_	= 0000000F ******** = 00000001 0000000000000000000000000000	SYM\$V ABS SYM\$V CRFO SYM\$V CRFO SYM\$V DEFUG SYM\$V DEFUG SYM\$V DEFUG SYM\$V DEFMAC SYM\$V DEFMAC SYM\$V DETMAC SYM\$V EXTRN SYM\$V LOCAL SYM\$V LOCAL SYM\$V DOBG SYM\$V REF SYM\$V REF SYM\$V REF SYM\$V SUPR SYM	

MA

Ps

--In

Co

Pa Sy Pa Sy Ps Cr As

1h

TO

20

Th

The working set limit was 1500 pages.
42445 bytes (83 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 652 non-local and 38 local symbols.
471 source lines were read in Pass 1, producing 22 object records in Pass 2.
25 pages of virtual memory were used to define 23 macros.

GET NEXT CHARACTER

CPU Time

00:00:00.02

00:00:00.02 00:00:04.89 00:00:00.65 00:00:01.14 00:00:00.23 00:00:00.02

00:00:07.43

Allocation

00000000

00000000 0000003C 00000246 000000D1

Page faults

107

263

102

Macro library statistics !

Psect synopsis

PSECT No.

01 02 03

0.)

Performance indicators

Elapsed Time

00:00:01.67

00:00:04.12 00:00:24.79 00:00:02.10 00:00:04.59 00:00:00.43

00:00:00.02 00:00:00.00 00:00:37.72

NOPIC

NOPIC

NOPIC

NOPIC

Macro library name Macros defined \$255\$DUA28:[SHRLIB]SUM.MLB;1
\$255\$DUA28:[MACRO.OBJ]MACRO.MLB;1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries) 129 24

827 GETS were required to define 24 macros.

MACS INPUT

PSECT name

ABS

SABSS

Phase

Pass 1

Pass 2

BLANK .

MACSRO_CODE_P15
MACSRO_CODE_P1

Initialization

Command processing

Symbol table sort

Symbol table output

Psect synopsis output Cross-reference output Assembler run totals

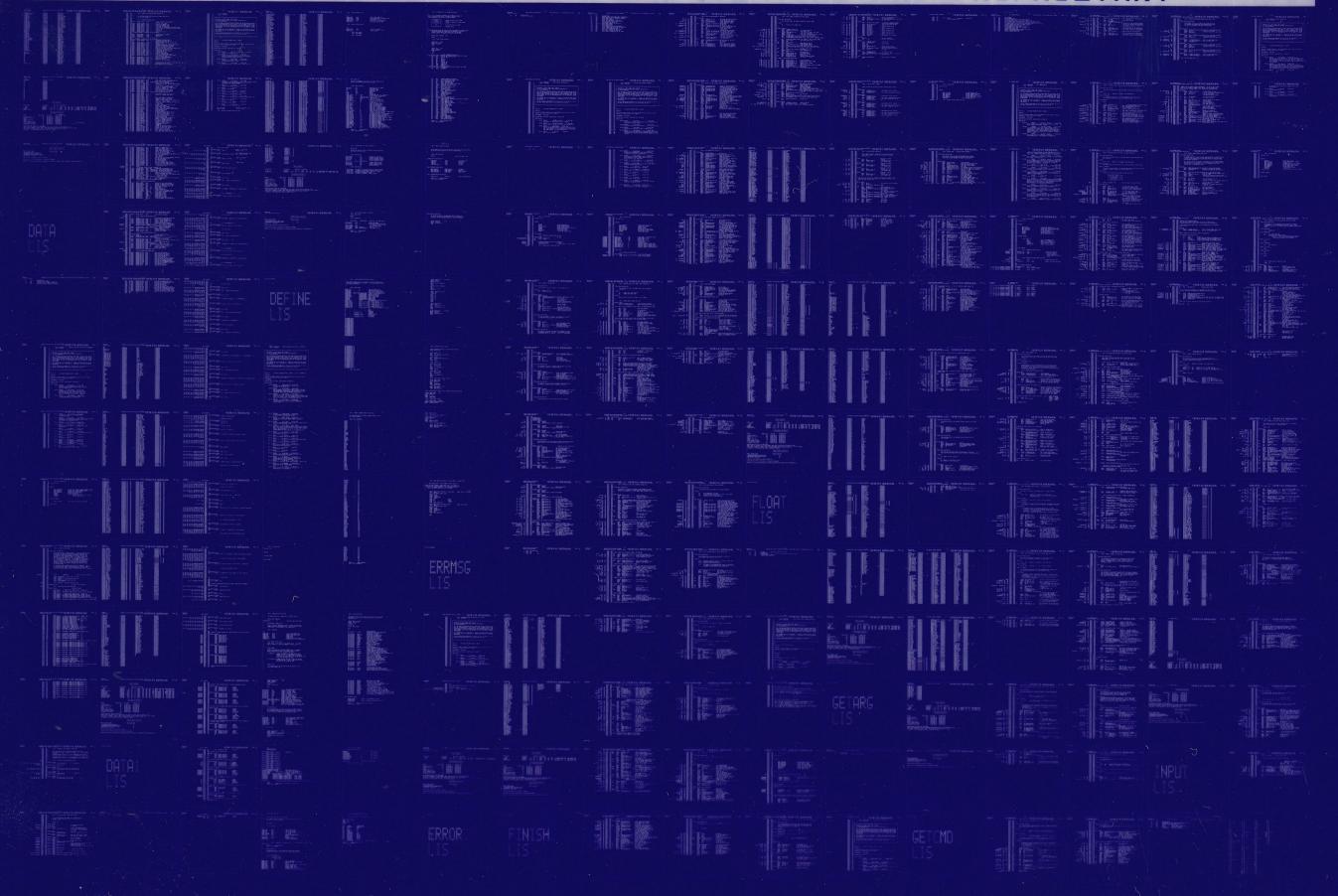
Psect synopsis

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:INPUT/OBJ=OBJ\$:INPUT MSRC\$:INPUT/UPDATE=(ENH\$:INPUT)+LIB\$:MACRO/LIB+SHRLIB\$:SUM/LIB

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